Patent Claims

1. A crossmember (1) having a hybrid structure for a vehicle, comprising a basic body (2) which is provided with a reinforcement (8) and in which at least one air duct (14) is arranged and which is at least partially widened and is designed as part of a housing (11) of a heating and/or air-conditioning system (12), characterized in that the air duct (14) of the basic body (2) is connected to an air outlet (15) of the heating and/or air-conditioning system (12).

2. The crossmember as claimed in claim 1, characterized in that the basic body (2) is arranged in a manner such that it at least partially encircles the heating and/or air-conditioning system (12).

3. The crossmember as claimed in claim 1 or 2, characterized in that the basic body (2) comprises at least two subsections (2a, 2c) which are connected via a third subsection (2b) forming a widened area.

4. The crossmember as claimed in claim 3, characterized in that the heating and/or air-conditioning system (12) is arranged in the region of the third subsection (2b) on the outside thereof, the two subsections (2a, 2c) being oriented at the sides of the heating and/or air-conditioning system (12) in the form of side arms.

5. The crossmember as claimed in claim 4, characterized in that the air outlet (15) opens into the air duct (14) of one of the subsections

(2a, 2c) forming a side arm.

6. The crossmember as claimed in one of claims 1 to 5, characterized in that the air outlet (15) opens into the air duct (14), which is arranged in the widened region (4) of the basic body (2), and/or runs through said duct.

7. The crossmember as claimed in one of claims 1 to 6, characterized in that the basic body (2) is at least partially formed from two ducts (18) arranged parallel to each other.

8. The crossmember as claimed in claim 7, characterized in that the air duct (14) is at least partially guided between the ducts (18) arranged parallel to each other.

9. The crossmember as claimed in one of claims 1 to 8, characterized in that the air duct (14) is formed in the basic body (2).

10. The crossmember as claimed in one of claims 1 to 9, characterized in that the air duct (14) is formed by a separate molded part.

11. The crossmember as claimed in one of claims 1 to 10, characterized in that an adapter element (17) is provided for connecting the air duct (14) to the air outlet (15).

12. The crossmember as claimed in claim 11, characterized in that the adapter element (17) is formed from plastic.

13. The crossmember as claimed in claim 11 or 12, characterized in that the adapter element (17) is

integrated onto the air-conditioning system (12) and/or onto the air duct (14).